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10/786,839

02/25/2004

Parviz Tayebati

15436.1248.3.1

2957

22913

7590

08/14/2008

WORKMAN NYDEGGER  
60 EAST SOUTH TEMPLE  
1000 EAGLE GATE TOWER  
SALT LAKE CITY, UT 84111

EXAMINER

VAN ROY, TOD THOMAS

ART UNIT

PAPER NUMBER

2828

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DELIVERY MODE

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**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

## **DETAILED ACTION**

### ***Response to Arguments***

Applicant's arguments filed 07/21/2008 have been fully considered but they are not persuasive.

*The Applicant has argued that the etalon of Frankel does not correct for any aberrations introduced by the grating/prism combination and hence does not restore quality and shape of light from the lasers.*

The Examiner does not agree. As the Applicant has pointed out (Remarks, pg.7) the prism (#22) is used to change the effective wavelength of light in the grating by adjusting the refractive index ([0023]). The etalon is then used to narrow the linewidth and stabilize the emission wavelength ([0024]). The Applicant's characterization of the filtering function of the etalon is believed to be correct, but this function can also be considered to correct for aberrations in prism/grating #22. The quality and shape from #22 is that of a widened spectrum of light. Etalon #26 then reduces the spectrum and stabilizes the emission wavelength. This is a corrective feature used to ensure proper system output by making changes to the input from the prism #22. Therefore, etalon #26 can be considered to correct for aberrations and restore the quality and shape (spectrum) of the light produced.